





DAD 	MOM 	SISTER 	BROTHER 
DIVIDE	MULTIPLY	SUBTRACT	BRING DOWN

How to divide: Use the following Mnemonic to remember the steps in order:

For Example: **Step 1:**

Divide: Look at the first number only in the dividend so the **problem is $6 \div 5$** . The answer is **1**. Write it above the 6.

$$\begin{array}{r} 1 \\ 5 \overline{) 6} \\ \underline{5} \\ 1 \end{array}$$

Multiply: $1 \times 5 = 5$. Write the number **5** under the 6.

$$\begin{array}{r} 1 \\ 5 \overline{) 6} \\ \underline{-5} \\ 1 \end{array}$$

Subtract: $6 - 5$. The answer is **1**. Write it below the 1.

$$\begin{array}{r} 1 \\ 5 \overline{) 6} \\ \underline{-5} \\ 1 \end{array}$$

Bring down the 2. Write it next to the 1.

$$\begin{array}{r} 1 \\ 5 \overline{) 6} \\ \underline{-5} \\ 1 \end{array}$$

Then go through steps **DMSB** again.

Step 2:

Divide: $12 \div 5 = 2$. Write it above the 2.

$$\begin{array}{r} 1 \\ 5 \overline{) 6} \\ \underline{-5} \\ 1 \end{array}$$

Multiply: $5 \times 2 = 10$. Write the number 10 below the 12.

$$\begin{array}{r} 1 \\ 5 \overline{) 6} \\ \underline{-5} \\ 1 \end{array}$$




Subtract: $12 - 10 = 2$. Write **2** below the 10.

$$\begin{array}{r} 1 \\ 5 \overline{) 6} \\ \underline{-5} \\ 1 \end{array}$$

Bring down the 5. Write it next to the 2.

$$\begin{array}{r} 1 \\ 5 \overline{) 6} \\ \underline{-5} \\ 1 \end{array}$$

Then go through steps **DMSB**. again.

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How to divide: Use the following Mnemonic to remember the steps in order:

Step 3:

Divide: $25 \div 5 = 5$. Write it above the 5.

Bring down:

There is nothing left to bring down, so you are finished!

The answer is 125 r 0

$$\begin{array}{r}
 12 \overline{) 625} \\
 \underline{-5} \\
 12 \\
 \underline{-10} \\
 25
 \end{array}$$

Multiply: $5 \times 5 = 25$. Write it below the 25.

$$\begin{array}{r}
 12 \overline{) 625} \\
 \underline{-5} \\
 12 \\
 \underline{-10} \\
 25
 \end{array}$$

Subtract $25 - 25 = 0$. Write it below the 25.

$$\begin{array}{r}
 12 \overline{) 625} \\
 \underline{-5} \\
 12 \\
 \underline{-10} \\
 25 \\
 \underline{-25} \\
 0
 \end{array}$$